

# INTERNATIONAL SEARCH REPORT

In **International Application No**  
**PCT/EP2004/002985**

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04M3/53 H04M3/533 H04M3/537

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.  |
|----------|--|--|
| X        | US 2002/101964 A1 (CONTRACTOR SUNIL)<br>1 August 2002 (2002-08-01)   | 1-3, 12,<br>13, 21,<br>28-32                                   |
| Y        | paragraph '0005! – paragraph '0006!<br><br>paragraph '0018!<br>paragraph '0027!<br>paragraph '0052! – paragraph '0054!<br>paragraph '0058!<br>claim 3<br>figures 1,2<br>abstract<br>-----<br>-/- | 4-11,<br>14-17,<br>19, 20,<br>22-25,<br>27,<br>33-44,<br>46-50 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

9 July 2004

Date of mailing of the International search report

20/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Schorgg, A

## INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/EP2004/002985

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.                                      |
|----------|---|--|
| Y        | EP 0 782 314 A (AT & T CORP)<br>2 July 1997 (1997-07-02)<br><br>page 3, left-hand column, line 41 – page<br>4, left-hand column, line 53<br>abstract<br>-----   | 4-7,<br>9-11,17,<br>19,20,<br>33-36,<br>38-40,<br>44,46,47 |
| Y        | EP 1 075 119 A (AT & T CORP)<br>7 February 2001 (2001-02-07)<br><br>paragraph '0009! – paragraph '0011!<br>claim 7<br>abstract<br>-----   | 8,14-16,<br>25,37,<br>41-43,50                             |
| Y        | WO 96/19068 A (KATSEFF HOWARD PAUL ;<br>MARKOWITZ ROBERT EDWARD (US); AT & T CORP<br>(US);) 20 June 1996 (1996-06-20)<br>page 2, line 25 – page 3, line 10<br>page 4, line 10 – line 12<br>page 6, line 24 – page 7, line 2<br>page 11, line 1 – line 11<br>figure 1<br>----- | 22-24,<br>27,48,49   |
| A        |   | 1,29,30  |

**INTERNATIONAL SEARCH REPORT**

 International Application No  
 PCT/EP2004/002985

| Patent document cited in search report |    | Publication date |    | Patent family member(s) |  | Publication date |
|--|----|------------------|----|-------------------------|--|------------------|
| US 2002101964                          | A1 | 01-08-2002       | US | 2002101963 A1           |  | 01-08-2002       |
|  |    |                  | AU | 9312401 A               |  | 24-06-2002       |
|  |    |                  | AU | 9476601 A               |  | 24-06-2002       |
|  |    |                  | WO | 0249330 A2              |  | 20-06-2002       |
|  |    |                  | WO | 0249331 A2              |  | 20-06-2002       |
| EP 0782314                             | A  | 02-07-1997       | US | 5764732 A               |  | 09-06-1998       |
|  |    |                  | CA | 2189087 A1              |  | 30-06-1997       |
|  |    |                  | EP | 0782314 A2              |  | 02-07-1997       |
|  |    |                  | JP | 9200342 A               |  | 31-07-1997       |
| EP 1075119                             | A  | 07-02-2001       | CA | 2314780 A1              |  | 03-02-2001       |
|  |    |                  | EP | 1075119 A2              |  | 07-02-2001       |
|  |    |                  | JP | 2001109696 A            |  | 20-04-2001       |
| WO 9619068                             | A  | 20-06-1996       | AU | 4161796 A               |  | 03-07-1996       |
|  |    |                  | CA | 2177815 A1              |  | 17-06-1996       |
|  |    |                  | EP | 0745299 A1              |  | 04-12-1996       |
|  |    |                  | JP | 9509810 T               |  | 30-09-1997       |
|  |    |                  | WO | 9619068 A1              |  | 20-06-1996       |
|  |    |                  | US | 5724407 A               |  | 03-03-1998       |
|  |    |                  | US | 5751791 A               |  | 12-05-1998       |